

Abstract:

An enclosed mobile container having a refrigeration unit for providing conditioned air to a mixing chamber located at the front of the container. Air penetratable cartons containing perishable produce are stacked in rows along the length of the container to create a pair of supply air plenums running along each side wall of the container and a return air aisle running along the center of the container. A gas generator is mounted in the mixing chamber to add a ripening agent to the conditioned air. Fans force the supply air from the mixing chamber into the plenums under pressure so that the supply air is passed through the cartons into heat transfer relationship with the produce and the air is returned to the mixing chamber via the center aisle. A fresh air exchanger is mounted in the container for venting the ripening agent to ambient after the completion of a ripening cycle.

100397 062703